DEEPENING UNDERSTANDING ANSWER SHEET

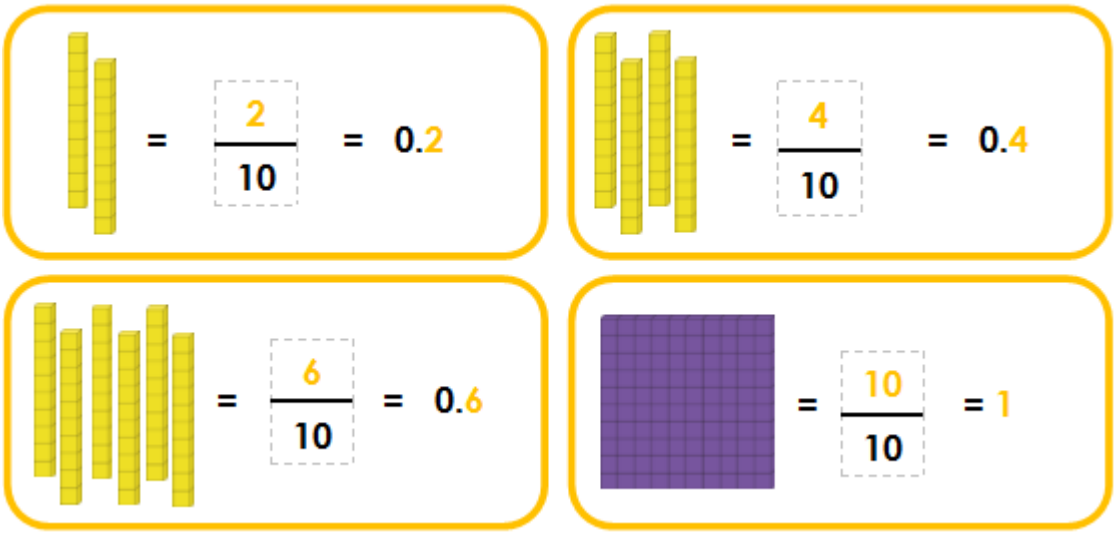
YEAR 4 PIM – TENTHS AS DECIMALS

Fluency 1

One tenth is the same as **0.1**

$\frac{1}{10}$ is equal to **0.1**

Fluency 2



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Fluency 3

Table completed as follows:

Words	Fraction	Decimal	Image
Three tenths	$\frac{3}{10}$	0.3	
Seven tenths	$\frac{7}{10}$	0.7	
Six tenths	$\frac{6}{10}$	0.6	
Ten tenths	$\frac{10}{10}$	1.0	

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Reasoning 1

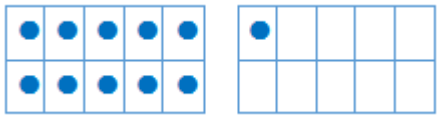
Modelled DAB Reasoning Responses

D – Millie is incorrect.

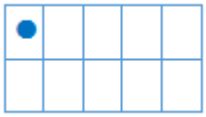
A – 1 tenth as a decimal is 0.1 not 1.10.

B – 1.10 is 1 whole and 1 tenth which is larger than 1 tenth.

1.10 looks like this:



And 0.1 looks like this:



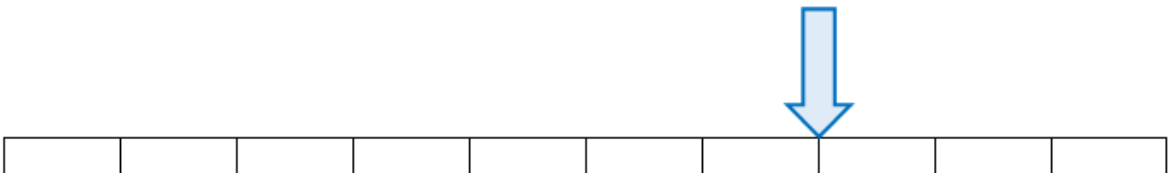
Reasoning 2

Modelled DAB Reasoning Response

D – There is an odd one out.

A – The number line shows 0.8 instead of 0.7.

B – The number line should look like this:



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Reasoning 3

Modelled DAB Reasoning Response

D – I disagree with Jane.

A – 3.7 and 3.70 are worth the same.

B – Putting a 0 on the end of a decimal number does not change its value.

Reasoning 4

Caleb using rule but wrong way round 10 div 2 = 5 so 2/10 = 0.5

Modelled DAB Reasoning Response

D – Marlon is incorrect.

A – Putting a 0 on the end of a decimal number makes no difference to its value.

B – Both of these numbers have the same value.

Download our 'DAB' posters to support reasoning in your classroom:

https://www.deepeningunderstanding.co.uk/product/dab-reasoning-posters/

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Problem Solving 1

Alfie's number could be:

0.1, 0.3, 0.5, 0.7, 0.9, 1.1, 1.3, 1.5, 1.7, 1.9

Problem Solving 2

Possible solutions include:

2.1, 4.2 and 6.3

only one number is smaller than 3 – 2.1

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